

Master of Science in Pharmacy (Toxicology)

Mission

To train postgraduate students to be high-quality toxicologists by providing up-to-date knowledge and rigorous scientific training in toxicology, with a particular emphasis on utilizing toxicological data to solve toxicology-related health and environmental challenges, in addition to conducting high-quality toxicological research.

Objectives

- To provide the health, environmental and regulatory sectors with highly qualified toxicologists to enhance public health and safety.
- To graduate highly skilled researchers in the field of toxicology.
- To explain the basic principles of toxicology and their application to human health and the environment.
- To understand how molecular mechanisms, biological processes, and chemical reactivity influence possible toxicant targets at the molecular, organ, and physiological levels.
- To understand basic techniques and methodologies in toxicology and the use of laboratory instrumentation.
- To demonstrate the ability to analyze, interpret, and critique relevant research articles in toxicology.
- To demonstrate oral and written presentation skills by communicating findings of original toxicological data to various healthcare professionals and the public.

Curriculum:

King Saud University

Date :2025-09-14

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جامعة الملك سعود

التاريخ: 22-03-1447

الصفحة: 1/1

Degree Plan

Degree : Master Faculty : Pharmacy Plan hrs : 33
Sem : 462 Dept : Pharmacology & Toxicology Plan Type : Main
Edition : 8 Major : PHAM-5 Toxicology Gender : All
Is active Vers : No Actual duration :

Group : Compulsory(33)

First					
code	Course Name	Hr	requisite	Year	Activities Desc
PHL 515	LABORATORY ROTATION	2	-	-	Practical (2)
PHL 531	TOXICOLOGICAL EVALUATION	3	-	-	Lecture (1), Practical (2)
PHL 552	Molecular and Cellular Pharmacology	3	-	-	Lecture (2), Practical (1)
PHL 553	Molecular Toxicology	3	-	-	Lecture (2), Practical (1)
Total					11
Second					
PHL 517	FORENSIC TOXICOLOGY	3	-	-	Lecture (2), Practical (1)
PHL 522	CLINICAL TOXICOLOGY	3	-	-	Lecture (2), Practical (1)
PHL 534	ENVIRONMENTAL & INDUSTRIAL TOXICOLOGY	3	-	-	Lecture (2), Practical (1)
PHL 541	PHARMACOMETRICS	3	-	-	Lecture (2), Practical (1)
PHL 542	PHARMACOLOGICAL SCREENING	2	-	-	Practical (2)
Total					14
Third					
PHL 591	SEMINAR	1	-	-	Lecture (1)
PHL 598	Thesis Proposal Preparation	1	-	-	Thesis (1)
Total					2
Fourth					
PHL 6000		6	PHL 598 - S	-	Thesis (1)
Total					6

S : Pre-requisite MC : Mandatory Co-requisite
M : Co-requisite NC: None Co- requisite

